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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/761,216	01/22/2004	Kuen-Huei Chang	06484.220	2753
22852	7590 09/29/2006		EXAMINER	
FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER LLP 901 NEW YORK AVENUE, NW			TRA, ANH QUAN	
			ART UNIT	PAPER NUMBER
	N, DC 20001-4413		2816	

DATE MAILED: 09/29/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)
Office Action Summary		10/761,216	CHANG ET AL.
		Examiner	Art Unit
		Quan Tra	2816
The MAIL Period for Reply	ING DATE of this communication a	opears on the cover sheet with th	ne correspondence address
WHICHEVER IS - Extensions of time m after SIX (6) MONTH - If NO period for reply - Failure to reply within Any reply received by	STATUTORY PERIOD FOR REP LONGER, FROM THE MAILING I ay be available under the provisions of 37 CFR 1 S from the mailing date of this communication. is specified above, the maximum statutory perior the set or extended period for reply will, by statudent that the mail dijustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICAT 1.136(a). In no event, however, may a reply but d will apply and will expire SIX (6) MONTHS to the cause the application to become ABANDO	ION. be timely filed from the mailing date of this communication. ONED (35 U.S.C. § 133).
Status			
2a)⊠ This action 3)□ Since this a	e to communication(s) filed on 18. is FINAL . 2b) The application is in condition for allow ccordance with the practice under	is action is non-final. ance except for formal matters,	·
Disposition of Clain	ns		
4a) Of the a 5) ☐ Claim(s) _ 6) ☑ Claim(s) 2. 7) ☐ Claim(s) _ 8) ☐ Claim(s) _ Application Papers	4 and 8-11 is/are pending in the a above claim(s) is/are withdramis/are allowed. 4, 8-11 is/are rejected. is/are objected to. are subject to restriction and/	awn from consideration.	
10) The drawing Applicant market Replacemen	g(s) filed on is/are: a) ac ay not request that any objection to the at drawing sheet(s) including the corre declaration is objected to by the E	ccepted or b) objected to by the drawing(s) be held in abeyance.	See 37 CFR 1.85(a). objected to. See 37 CFR 1.121(d).
Priority under 35 U.	S.C. § 119		
a) All b) Certi 2. Certi 3. Copi appli	gment is made of a claim for foreignorment is made of a claim for foreignorment is some * c) None of: Some * c) None of: Sied copies of the priority document is soft the comment is soft the priority document is soft the certified copies of the priority is soft in the lateral is some in the later	nts have been received. nts have been received in Applic ority documents have been rece au (PCT Rule 17.2(a)).	cation No eived in this National Stage
Attachment(s)			
	es Cited (PTO-892) son's Patent Drawing Review (PTO-948) ure Statement(s) (PTO/SB/08)	4) Interview Summ Paper No(s)/Ma 5) Notice of Inform	il Date
Paper No(s)/Mail Da		6) Other:	• •

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DETAILED ACTION

This office action is in response to the amendment filed 8/18/06. A new ground of rejection is introduced as necessitated by amendment.

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 2, 4 and 8-11 are rejected under 35 U.S.C. 102(b) as being anticipated by Mar et al. (USP 6191660, previously cited).

As to claim 8, Mar et al.'s figures 5 and 6 shows a circuit for providing a refresh cycle for a memory device, comprising: a first current generator (IPTAT in figure 6) providing a first current in response to a constant voltage (supply voltage Vcc); a voltage generator ((192, 194, 196, 198, 200) providing a temperature dependent voltage; a second current generator (190) providing a second current in response to the temperature dependent voltage; and a frequency generator (figure 5) providing a frequency in response to the sum of the first and second currents, the frequency generator comprising a capacitor (C1) having a terminal to receive the summed first and second currents and a comparator (154) to compare a voltage at the terminal of the capacitor to a reference and generate an output signal that the voltage, at the terminal of the capacitor exceeds the reference voltage.

As to claim 2, figure 6 shows that the voltage generator includes a resistor (198) having a temperature dependent resistance.

As to claim 4, figure 6 shows that the temperature dependent resistance of the resistor increases as the temperature increases, and decreases as the temperature decreases.

As to claim 9, figure 6 shows that the voltage generator includes a current source (192), a resistor having a temperature dependent resistance, and an output terminal coupled between the current source and the resistor.

As to claim 10, figure 6 shows that the second current generator includes a transistor having a gate coupled to the output terminal.

As to claim 11, figure 6 shows that the second current is turned off at a predetermined temperature (any is value may be considered as "predetermined").

Conclusion

3. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Quan Tra whose telephone number is 571-272-1755. The examiner can normally be reached on 8:00 AM - 5:00 PM.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Timothy Callahan can be reached on 571-272-1740. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

QUAN TRA
PRIMARY EXAMINER
Art Unit 2816